

Operator Name **A & A Discovery, Inc.** Lease Name **HOLLAND B** Well # **1**

Sec. **8** Twp. **27** Rge. **11** East West County **Prairie**

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

	Name	Top	Bottom
DST#2 - 3895-3950' 30-60-45-90. IHM 1997, FIFP 120, FFFP 131, ISIP 1244, SIFP 163, SFFP 174, FSIP 1190, FHM 1987. Temp 110. Recovery- 180' clean glassy oil, 35G. 90' M.C.O.	Heebner	3446	
	Toronto	3459	
	Douglas Shale	3477	
	Brown Lime	3626	
	Lansing	3642	
	B-K.C	3994	
	R.T.D.	4023	
DST#1 - 3798-3818. Int. 30-45-30-60. IHM 1921, FIFP 65, FFFP 65, ISIP 1168, SIFP 87, SFFP 87, FSIP 1168, FHM 1911. Temp 108. Recovery - 90' M.C.O., 10' water, 1060' G.I.P.			

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface	14-3/4"	10-3/4"	32#	263'	60/40poz	175	2% gel 3% cc
Surface	9-7/8"	8-5/8"	25#	762'	60/40poz	100	2% gel 3% cc
Production	7-7/8"	4 1/2"	10.5#	3996'	Surfill	150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	3975-79, 3904-07, 3810-14			300 gal. 15% m.a.		3973-75	
				1500 gal. 15% m.a.		v	
				300 gal. 15% m.a.		3904-07	
				2000 gal. 15% NE acid		v	
TUBING RECORD							
Date of First Production		Producing Method		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
10-15-88		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
30		none		20	n/a	34	
		Bbl's	MCF	Bbl's	CFPB		

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation 3973-75
 Sold Other (Specify) 3904-07
 Used on Lease Dually Completed n/a
 Commingled

B-1

WT	WIRE-TECH	RADIATION GUARD LOG
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COMPANY <u>A & A DISCOVERY INC.</u>			
WELL <u>#1 HOLLAND "B"</u>			
FIELD _____			
COUNTY <u>PRATT</u>	STATE <u>KANSAS</u>		
Location <u>4290' FSL 2820' FEL</u>		Other Services: DTI, CDNL	
Sec. <u>8</u>	Twp <u>27S</u>	Rge <u>11W</u>	
Permanent Datum <u>GROUND LEVEL</u>	Elev. <u>1812'</u>	Elev.: K.B. <u>1817'</u>	
Log Measured From <u>KELLY BUSHING 5</u>	Ft. Above Perm. Datum	D.F. _____	
Drilling Measured From <u>KELLY BUSHING</u>		G.L. <u>1812'</u>	

Date	<u>9-21-88</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>4021'</u>		
Depth—Wire-Tech	<u>4023'</u>		
Btm. Log Inter.	<u>4022'</u>		
Top Log Inter.	<u>3300'</u>		
Casing—Driller	<u>10 3/4 @ 203'</u>	<u>8 5/8 @ 762'</u>	
Casing—Wire-Tech			
Bit Size	<u>7 7/8"</u>		
Type Fluid in Hole	<u>CHEMICAL</u>		
Dens. & Visc.	<u>9.2 @ 50</u>		
pH & Fluid Loss	<u>10.0 @ 8.8ml</u>		
Source of Sample	<u>MUD PIT</u>		
R _m @ Meas. Temp.	<u>.58 @ 80 °F</u>	<u>.416 @ 114°F</u>	
R _{ml} @ Meas. Temp.	<u>.418 @ 80 °F</u>	<u>.3 @ 114°F</u>	
R _{mc} @ Meas. Temp.	<u>.812 @ 80 °F</u>	<u>.583 @ 114°F</u>	
Source R _{ml} R _{mc}	<u>CHARTS</u>		
R _m @BHT	<u>.416 @ 114°F</u>		
Time Since Circ.	<u>1.5HRS.</u>		
Max. Rec. Temp.	<u>114°F @ T.D.</u>		
Equip. & Location	<u>60 @ GREATBEND</u>		
Recorded By	<u>W. CURTIS</u>		
Witnessed By	<u>MR. S. ALBERG</u>		

FIELD PRINT